PrPres in a 1:1 (v/v) ratio, followed by calibration of the homogenate, for the production of a homogenate comprising, in weight/volume, from 5 to 50% of the said organ or tissue;

(ii) specific extraction of PrPres by treating the homogenate obtained in step (i) by incubating the suspension obtained with a solution comprising a protease and an anionic detergent capable of promoting the aggregation of the PrPres, and a single separation of the PrPres, by centrifugation at 25,000-60,000 g.h, for example at 25,000-30,000 g for 1 to 2 h, preferably at 16-22°C, of the suspension obtained, deposited on a buffer cushion having a density of between 1.02 and 1.08, at 20°C and recovering the centrifugation pellet comprising the said PrPres; and, if necessary,

(iii) purification of the PrPres by suspending the centrifugation pellet obtained in (ii) in a Laemmli buffer comprising 1-5% SDS, incubating in this buffer at 100°C for 2-10 minutes and centrifuging at 12,000-15,000 g for 10-15 minutes at 16-22°C.

12. (twice amended) The method according to Claim 8, wherein during the extraction step (ii) the solution used for the extraction comprises an anionic detergent capable of promoting the aggregation of the PrPres and a zwitterionic detergent, such as a sulphobetaine, preferably the sulphobetaine SB3-14 at 1-2%, in a 1:1 (v/v) ratio.

13. (twice amended) The method according to Claim 8, wherein in the extraction step (ii) the centrifugation is carried out after depositing the suspension containing the PrPres on a cushion comprising, in a mixture, 6-20% sucrose and a sulphobetaine.--

Please add new claims 16-21 as follows:

--16. The method according to claim 8, wherein the homogenization buffer in step (i) is a neutral buffer selected from the group consisting of water and isotonic buffers.

17. The method of claim 16, wherein the isotonic buffer is 5% glucose.

18. The method of claim 8, wherein in step (i), the salt having a high ionic strength is 10-30% NaCl.